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29683 7590 10/17/2008

HARRINGTON & SMITH, PC
4 RESEARCH DRIVE, Suite 202
SHELTON, CT 06484-6212

EXAMINER

NGUYEN, HAI V.

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 10/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,080	12/18/2006	Janne J. Kallio	879AD058,1(US)	6061

TITLE OF INVENTION: METHOD AND ARRANGEMENTS FOR WIRELESS COMMUNICATION BETWEEN A VEHICLE AND A TERRESTRIAL COMMUNICATION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/20/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/561,080 12/18/2006

Janne J. Kallio

879A.0058.U1(US)

6061

TITLE OF INVENTION: METHOD AND ARRANGEMENTS FOR WIRELESS COMMUNICATION BETWEEN A VEHICLE AND A TERRESTRIAL COMMUNICATION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional

NO

\$1510

\$300

\$0

\$1810

01/20/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
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NGUYEN, HAI V

2618

455-011100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

1

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims **SMALL ENTITY** status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming **SMALL ENTITY** status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,080	12/18/2006	Janne J. Kallo	879A.0058.U1(US)	6061
29683	7590	10/17/2008	EXAMINER	
HARRINGTON & SMITH, PC 4 RESEARCH DRIVE, Suite 202 SHELTON, CT 06484-6212			NGUYEN, HAI V.	
			ART UNIT	PAPER NUMBER
			2618	

DATE MAILED: 10/17/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/561,080

Examiner

HAI V. NGUYEN

Applicant(s)

KALLIO ET AL.

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication received on 07 July 2008.
2. ☒ The allowed claim(s) is/are 1-3, 5-46 that are renumbered as 1-45 are allowed.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's agent, Mr. John A. Garrity, registration # 60,470 on 07 October 2008.

The application has been amended as follows:

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method comprising:

establishing a satellite connection via a satellite when an information transfer between a first network unit and a second network unit is required[.];

releasing to a released state the satellite connection when the information transfer between the first network unit and the second network unit is not required[.];
and

emulating, without the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection[.].

2. (Currently Amended)—A— The method according to claim 1, wherein said signalling is LAPD link and Abis signalling.

3. (Currently Amended)—A— The method according to claim 1, wherein said emulating signalling of the second network unit comprises transferring state messages with the first network unit.

4. (Cancelled)

5. (Currently Amended)—A— The method according to claim 2, wherein capacity is reserved dynamically for an Abis link during an on-state of the satellite connection, the capacity being reserved based on a data transfer requirement.

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6. (Currently Amended)—A— The method according to claim 1, comprising transferring Internet Protocol (IP) data between the first network unit and Internet via the satellite, where communication between the first network unit and the second network unit is prioritized higher in the satellite connection than the IP data transfer between the first network unit and the Internet.

7. (Currently Amended)—A— The method according to claim 1, wherein the information transfer between the first network unit and the second network unit is transferred as Internet Protocol (IP) packet data.

8. (Currently Amended)—A— The method according to claim 1, wherein the first network unit is located in an aircraft, and the method further comprises receiving flight status information from avionics of the aircraft for controlling the first network unit.

9. (Currently Amended)—A— The method according to claim 8, wherein on the basis of the received flight status information communications between the first network unit and mobile stations inside the aircraft are barred while keeping mobile stations camped to the first network unit.

10. (Currently Amended)—A— The communication method according to claim 8, wherein the flight status information comprises at least one of the following information: flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

11. (Currently Amended)—A— The method according to claim 1, the method comprising:
receiving communication information on another satellite and another second network unit[([,]);

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establishing communications between the first network unit and the other second network unit via the other satellite on the basis of the received communication information[.]; and

releasing the communication information between the first network unit and the second network unit via the satellite.

12. (Currently Amended)—A— The method according to claim 1, that wherein the information transfer is compliant with at least one of the following communication specifications: GSM (Global System for Mobile communications), PCN (Personal Communication Network), PCS (Personal Communication System), HSCSD (High Speed Circuit Switched Data), GPRS (General Packet Radio Service), EDGE (Enhanced Data rates for GSM Evolution), CDMA (Code Division Multiple Access), WCDMA (Wide band CDMA), Bluetooth, UMTS (Universal Mobile Telecommunications System), Teldesic, Iridium, Inmarsat and WLAN (Wireless Local Area Network).

13. (Currently Amended)—A— The method according to claim 1, wherein a wireless connection between a mobile terminal and the first network device unit is established by a wireless network.

14. (Currently Amended) A communication arrangement comprising:

a first circuit configured to establish a satellite connection via a satellite as a response to a situation in which an information transfer between a first network unit and a second network unit is required[.];

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a second circuit configured to release to a released state the satellite connection as a response to a situation in which the information transfer between the first network unit and the second network unit is not required[.]; and

a third circuit configured to emulate, without the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection.

15. (Currently Amended)—A— The communication arrangement according to claim 14, wherein said signalling is LAPD link and Abis signalling.

16. (Currently Amended)—A— The communication arrangement according to claim 14, wherein said circuit configured to emulate signalling of the second network unit comprises a circuit configured to transfer state messages with the first network unit.

17. (Currently Amended)—A— The communication arrangement according to claim 14, wherein said circuit configure to emulate signalling of the second network unit comprises a circuit configured to transfer state messages with a base station controller.

18. (Currently Amended)—A— The communication arrangement according to claim 15, wherein said circuit configured to emulate signaling is arranged to reserve capacity dynamically for an Abis link during an on-state of the satellite connection, the capacity being reserved, based on a data transfer requirement.

19. (Currently Amended)—A— The communication arrangement according to claim 14, comprising a fourth circuit configured to transfer Internet Protocol (IP) data between the first network unit and Internet, where communication between the first network unit and the second network unit is prioritized higher in the satellite connection than the IP data

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transfer between the first network unit and the Internet.

20. (Currently Amended)—A— The communication arrangement according to claim 14, comprising a fifth circuit configured to transfer data between the first network unit and the second network unit as Internet Protocol (IP) packet data.

21. (Currently Amended)—A— The communication arrangement according to claim 14, wherein the first network unit is located in an aircraft.

22. (Currently Amended)—A— The communication arrangement according to claim 21, it comprising a fourth circuit configured to receive flight status information from the aircraft for controlling the first network unit.

23. (Currently Amended)—A— The communication arrangement according to claim 22, wherein the circuit is further configured to bar communications between the first network unit and mobile stations inside the aircraft on the basis of the received flight status information and keep the mobile stations camped to the first network unit during the barred state.

24. (Currently Amended)—A— The communication arrangement according to claim 22, wherein the flight status information comprises at least one of the following information: flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

25. (Currently Amended)—A— The communication arrangement according to claim 14, further comprising:

a fourth circuit configured to receive communication information on another satellite and another second network unit{[,]};

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a fifth circuit configured to establish communications between the first network unit and the other second network unit via the other satellite on the basis of the received communication information[[.]]; and

a sixth circuit configured to release the communication information between the first network unit and the second network unit via the satellite.

26. (Currently Amended)-A- The communication arrangement according to claim 14, wherein the information transfer is compliant with at least one of the following communication specifications: GSM (Global System for Mobile communications), PCN (Personal Communication Network), PCS (Personal Communication System), HSCSD (High Speed Circuit Switched Data), GPRS (General Packet Radio Service), EDGE (Enhanced Data rates for GSM Evolution), CDMA (Code Division Multiple Access), WCDMA (Wide band CDMA), Bluetooth, UMTS (Universal Mobile Telecommunications System), Teldesic, Iridium, Inmarsat and WLAN (Wireless Local Area Network).

27. (Currently Amended)-A- The communication arrangement according to claim 14, wherein the first network unit is a base transceiver station and the second network unit is a base station controller.

28. (Currently Amended)-A- The communication arrangement according to claim 14, wherein the first network unit is inside a vehicle and connected to a wireless network including mobile terminals inside the vehicle.

29. (Currently Amended) A first network unit comprising:

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a first circuit configured to communicate an information transfer with a second network unit via a satellite~~[[,]]~~; and

a second circuit configured to emulate, without the ~~communication~~ information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during periods when there is no ~~communication~~ information transfer via the satellite between the first network unit and the second network unit.

30. (Currently Amended)-A- The first network unit according to claim 29, that wherein said signalling is LAPD link and Abis signalling.

31. (Currently Amended)-A- The first network unit according to claim 29, that wherein the first network unit is a base transceiver station and the second network unit is a base station controller.

32. (Currently Amended)-A- The first network unit according to claim 30, wherein said circuit configured to emulate signalling is configured to reserve capacity dynamically for an Abis link during an on-state of a satellite connection, the capacity being reserved based on a requirement for the information transfer between the first network unit and the second network unit.

33. (Currently Amended)-A- The first network unit according to claim 29, embodied in a moving vehicle.

34. (Currently Amended)-A- The first network unit according to claim 33, comprising: a third circuit configured to receive communication information on another satellite and

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another second network unit~~[[,]]~~;

a fourth circuit configured to establish communications between the first network unit and the another second network unit via the another satellite on the basis of the received communication information~~[[,]]~~; and

a fifth circuit configured to release the communication information between the first network unit and the second network unit via the satellite.

35. (Currently Amended)-A- The first network unit according to claim 33, wherein the moving vehicle is an aircraft that and the first network unit further comprises a circuit configured to receive flight status information from the aircraft in order to control the first network unit.

36. (Currently Amended)-A- The first network unit according to claim 35, further comprising a circuit configured to bar communications between the first network unit and mobile stations inside the aircraft on the basis of the received flight status information; and keep mobile stations camped to the first network unit during the barred state.

37. (Currently Amended)-A- The first network unit according to claim 35, in that wherein the flight status information comprises at least one of flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

38. (Currently Amended)-A- The first network unit according to claim 29, wherein the first network unit is a base transceiver station ~~controller~~ capable of communicating with a base transceiver station controller via the satellite.

39. (Currently Amended) A communication arrangement comprising:

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a first network unit for wireless communication with mobile stations inside a vehicle[[,]];:

a second network unit of a terrestrial mobile communication system, the terrestrial mobile communication system comprising means for communicating between the first network unit and the second network unit via a satellite[[,]];:

means for establishing a satellite connection as a response to a situation in which an information transfer between the first network unit and the second network unit is required[[,]];:

means for releasing the satellite connection as a response to a situation in which the information transfer between the first network unit and the second network unit is not required[[,]];:

means for emulating, without ~~communication~~ the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during a released state of the satellite connection[[,]]; and

means for emulating, without ~~communication~~ the information transfer between the first network unit and the second network unit, signalling of the first network unit for the second network unit during the released state of the satellite connection.

40. (Currently Amended) A computer readable medium storing a computer program, executable by a processor to perform actions comprising:

establishing a satellite connection via a satellite when an information transfer between a first network unit and a second network unit is required[[,]];:

releasing to a released state the satellite connection when the information transfer between the first network unit and the second network unit is not required[.];
and

emulating, without the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection.

41. (Currently Amended) An apparatus, comprising:

a transceiver configured to establish a satellite connection via a satellite when information transfer between a first network unit and a second network unit is required[.];

the transceiver configured to release to a released state the satellite connection when the information transfer between the first network unit and the second network unit is not required[.]; and

an emulator coupled to the transceiver configured to emulate, without the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection.

42. (Previously Presented) The apparatus of claim 41, wherein said signalling is LAPD link and Abis signalling.

43. (Previously Presented) The apparatus of claim 41, wherein said emulating signalling of the second network unit includes transferring state messages with the first network unit.

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44. (Previously Presented) The apparatus according to claim 41, wherein said signalling is LAPD link and Abis signalling.

45. (Previously Presented) The apparatus according to claim 41, wherein said emulating signalling of the second network unit comprises transferring state messages with the first network unit.

46. (Previously Presented) The apparatus of claim 41, wherein capacity is reserved dynamically for an Abis link during an on-state of the satellite connection, the capacity being reserved based on a data transfer requirement.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:
3. The primary reason for allowance of the claims is the inclusion of the elements of *"emulating (Figure 1b, element 114), without the information transfer between the first network unit (Figures 1a, 1b, element 104) and the second network unit (Figure 1a, 1c, element 120), signalling of the second network unit to the first network unit during the released state of the satellite connection" in independent claims 1, 14, 39, 40, 41; of "a second circuit (Figure 1b, element 114) configured to emulate, without the information transfer between the first network unit (Figures 1a, 1b, element 104) and the second unit (Figure 1a, 1c, element 120), signaling of the second network unit to the first network unit during periods when there is no the information transfer via satellite (Figures 1a, 1b, element 140) between the first network unit and the second network unit" in independent claim 29, and of Applicant's remarks on pages 19-22 received on 07 July 2008.*
4. The prior art is also silent of the elements above as explained below:

Usher et al. US patent # 7,406,309 B2 only discloses in Figures 1, 2, 6, 7 that, *"The integration of the onboard MSC 16 with the onboard switching capability associated with the conventional satellite telephone system and the aircraft's internal communication 15 provides a simple means of providing passengers and crew with a*

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"Wireless PBX" facility, as users on board the aircraft can communicate with each other through the BCS 14 without using the satellite link 3-6-13" (col. 6, lines 47-63) and "When a call attempt is made (step 701), The MSC in the home network 7 to which the call is initially routed obtains from the HLR 71 the current location of the mobile telephone (step 702), and on receiving the identity of the host MSC 41, directs the call there (step 703). The host MSC in turn attempts to transmit the call attempt to the current serving base station, which is in fact the interface unit 46 (step 704). If the disconnection procedure (to be described later with reference to Figure 7) has been carried out, the call will fail (step 705) and a signal is transmitted back to the home MSC 71. Otherwise, the interface unit 46 automatically returns a "busy" signal to any such request (step 706). Note that the interface unit 46 has no information regarding the true operating state of the mobile unit 10. It is merely arranged to emulate the target mobile unit's response to a call attempt when the target mobile unit is in the "busy" condition" (col. 10, lines 10-29).

Tamor US 2003/0004032 A1 only disclose in Figure 1 that, "an emulation system and control strategy comprising: a source of power comprising an internal combustion engine (ICE) and an electric traction drive motor/generator (motor); a vehicle system control (VSC); a controller within the VSC including a drive force control device for the ICE, whereby engine torque and engine on/off state are controlled; the powertrain source being operatively connected to the input of an electrified converterless transmission (ECLT); a power transfer device connected to the output of the ECLT; and a disconnect clutch in the powertrain between the ICE and the motor. When the vehicle

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engine is off and disconnected from the powertrain, the drive motor is operated in a manner that emulates the behavior of the internal combustion engine, whereby the motor will react just as the ICE would have reacted when subject to comparable inputs, ([0021])”.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

6. **Claims 1-3, 5-46 that are renumbered as 1-45 are allowed.**

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HAI V. NGUYEN whose telephone number is (571)272-3901. The examiner can normally be reached on 6:00-3:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc M. Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hai V. Nguyen/
Examiner, Art Unit 2618

/Duc Nguyen/
Supervisory Patent Examiner, Art Unit 2618